Author index

Acosta, M., see Arnao, M.B. (1041) 43
Aerts, J.M.F.G., Sa Miranda, M.C., Brouwer-Kelder, E.M., Van Weely, S., Barranger, J.A. and Tager, J.M.
Conditions affecting the activity of glucocerebrosidase purified from spleens of control subjects and patients with Type 1 Gaucher disease (1041) 55
Akama, K., Maruyama, R., Mochizuki, H. and Tobita, T.
Boar transition protein 2 and 4 isolated from late spermatid nuclei by high-performance liquid chromatography (1041) 264
Albracht, S.P.J., see Van der Zwaan, J.W. (1041) 101
Alexander, J.W., see Amoscato, A.A. (1041) 317
Amoscato, A.A., Sramkoski, R.M., Babcock, G.F. and Alexander, J.W.
Neutral surface aminopeptidase activity of human tumor cell lines (1041) 317
Andersson, K.K., see Fridén, H. (1041) 207
Andreo, C.S., see Jiao, J.-a. (1041) 291
Arata, Y., see Nishimura, C. (1041) 243
Arnao, M.B., Acosta, M., Del Río, J.A., Varón, R. and García-Cánovas, F.
A kinetic study on the suicide inactivation of peroxidase by hydrogen peroxide (1041) 43
Atkinson, D.E., see Szweda, L.I. (1041) 201

Babcock, G.F., see Amoscato, A.A. (1041) 317
Bagchi, S.N. and Kleiner, D.
Dismutation of hydroxylamine to ammonia and nitrite by a novel, membrane-bound enzyme from the cyanobacterium *Phormidium uncinatum* (1041) 9
Balny, C., see Masson, P. (1041) 223
Bardakdjian-Michau, J., Galactéros, F. and Craescu, C.T.
Functional and NMR studies of Hb Sassari (Asp-126α → His); role of the inter-subunit contacts in the affinity control of human hemoglobin (1041) 250
Barranger, J.A., see Aerts, J.M.F.G. (1041) 55
Behere, D.V., see Saxena, A. (1041) 83
Behnke, C.E., see Miziorko, H.M. (1041) 273
Beuzard, Y., see Garel , M.-C. (1041) 133
Beynon, R.J., see Flannery, A.V. (1041) 64
Bonete, M.J., Camacho, M.L. and Cadenas, E.
Analysis of the kinetic mechanism of halophilic NADP-dependent glutamate dehydrogenase (1041) 305
Borisov, I.L., see Gololobov, M.Y. (1041) 71
Bouwens, E.C.M., see Van der Zwaan, J.W. (1041) 101
Brouwer-Kelder, E.M., see Aerts, J.M.F.G. (1041) 55
Buczynski, G. and Potter, R.L.
Nucleoside diphosphate kinase from *Xenopus* oocytes; partial purification and characterization (1041) 296

Caburi-Martin, J., see Garel , M.-C. (1041) 133
Cadenas, E., see Bonete, M.J. (1041) 305
Camacho, M.L., see Bonete, M.J. (1041) 305
Cass, A.E.G., see Gilardi, G. (1041) 129
Catasti, P., see Pepe, I. (1041) 14
Cheesman, M.R., see Fridén, H. (1041) 207
Chollet, R., see Jiao, J.-a. (1041) 291
Chow, L.-H., see Zafar, R.S. (1041) 117
Chung, C.H., see Chung, S.S. (1041) 160
Chung, S.S., Kwak, K.B., Lee, J.S., Ha, D.B. and Chung, C.H.
Preferential degradation of the $KMnO_4$-oxidized or *N*-ethylmaleimide-modified form of sarcoplasmic reticulum ATPase by calpain from chick skeletal muscle (1041) 160
Coremans, J.M.C.C., see Van der Zwaan, J.W. (1041) 101
Craescu, C.T., see Bardakdjian-Michau, J. (1041) 250
Craescu, C.T., see Garel , M.-C. (1041) 133

Dalgleish, D.G., see Leaver, J. (1041) 217
Dalzell, G.N., see Flannery, A.V. (1041) 64
D'Auria, S., see Trincone, A. (1041) 94
Deinum, J., see Skoglöf, A. (1041) 22
Dellacherie, E., see Sacco, D. (1041) 279
Del Río, J.A., see Arnao, M.B. (1041) 43
Denesyuk, A.I., see Zav'yalov, V.P. (1041) 178
Deshpande, V., Hinge, J. and Rao, M.
Chemical modification of xylanases: evidence for essential tryptophan and cysteine residues at the active site (1041) 172
Dissing, J. and Svensmark, O.
Human red cell acid phosphatase: purification and properties of the A, B and C isozymes (1041) 232
Domenget, C., see Garel , M.-C. (1041) 133

Eftink, M.R., see Ghiron, C.A. (1041) 311
Eibes, T., see Sutton, L.D. (1041) 79

Fenselau, C., see Lin, L.-Y. (1041) 31
Ferradini, C., see Quéinnec, E. (1041) 153
Ferri, G., Stoppini, M., Meloni, M.L., Zapponi, M.C. and Iadarola, P.
Chloroplast glyceraldehyde-3-phosphate dehydrogenase (NADP): amino acid sequence of the subunits from isoenzyme I and structural relationship with isoenzyme II (1041) 36
Fischer, B.E. and Will, H.
Effects of intact fibrin and partially plasmin-degraded fibrin on kinetic properties of one-chain tissue-type plasminogen activator (1041) 48
Flannery, A.V., Dalzell, G.N. and Beynon, R.J.
Proteolytic activity in mouse urine: relationship to the kidney metallo-endopeptidase, meprin (1041) 64
Friboulet, A., see Pulvin, S. (1041) 97
Fridén, H., Cheesman, M.R., Hederstedt, L., Andersson, K.K. and Thomson, A.J.
Low temperature EPR and MCD studies on cytochrome *b*-558 of the *Bacillus subtilis* succinate:quinone oxidoreductase indicate bis-histidine coordination of the heme iron (1041) 207
Fujimoto, H., see Ogata, H. (1041) 254
Fujisaki, S., see Ogata, H. (1041) 254
Fukuda, T., see Ogata, H. (1041) 254

Galactéros, F., see Bardakdjian-Michau, J. (1041) 250
García-Cánovas, F., see Arnao, M.B. (1041) 43
Gardès-Albert, M., see Quéinnec, E. (1041) 153
Garel , M.-C., Caburi-Martin, J., Domenget, C., Kister, J., Craescu, C.T., Poyart, C. and Beuzard, Y.
Changes of polymerization and conformation of hemoglobin S induced by thiol reagents (1041) 133
Ghiron, C.A., Eftink, M.R., Longworth, J. and Ryan, C.
Fluorescence studies with potato carboxypeptidase inhibitor (1041) 311

Gilardi, G., Harvey, P.J., Cass, A.E.G. and Palmer, J.M.
Radical Intermediates in veratryl alcohol oxidation by ligninase. NMR evidence (1041) 129
Gololobov, M.Y., Petrauskas, A., Pauliukonis, R., Koschke, V., Borisov, I.L. and Švedas, V.
Increased nucleophile reactivity of amino acid β-naphthylamides in α-chymotrypsin-catalyzed peptide synthesis (1041) 71
Göthe, P.-O., see Skoglöf, A. (1041) 22
Goyffon, M., see Quéinnec, E. (1041) 153
Gustafsson, S., see Skoglöf, A. (1041) 22

Ha, D.B., see Chung, S.S. (1041) 160
Hanzawa, H., see Nishimura, C. (1041) 243
Harvey, P.J., see Gilardi, G. (1041) 129
Hauksson, J.B., La Mar, G.N., Pande, U., Pandey, R.K., Parish, D.W., Singh, J.P. and Smith, K.M.
^{1}H-NMR study of the mechanism of assembly and equilibrium heme orientation of sperm whale myoglobin reconstituted with protohemin type-isomers (1041) 186
Hederstedt, L., see Fridén, H. (1041) 207
Hinge, J., see Deshpande, V. (1041) 172
Hioki, Y., see Takada, J. (1041) 123
Huang, P.C., see Lin, L.-Y. (1041) 31

Iadarola, P., see Ferri, G. (1041) 36
Itoh, S.-i., see Nishimura, C. (1041) 243

Jiao, J.-a., Podestá, F.E., Chollet, R., O'Leary, M.H. and Andreo, C.S.
Isolation and sequence of an active-site peptide from maize leaf phospho*enol*pyruvate carboxylase inactivated by pyridoxal 5′-phosphate (1041) 291

Kajigaeshi, S., see Ogata, H. (1041) 254
Kijima, Y., Takagi, T., Shigekawa, M. and Tada, M.
Protein–protein interaction of detergent-solubilized Ca^{2+}-ATPase during ATP hydrolysis analyzed by low-angle laser light scattering photometry coupled with high-performance gel chromatography (1041) 1
Kilty, C., see Sheehan, H. (1041) 141
Kishimoto, T., see Nishimura, C. (1041) 243
Kister, J., see Garel , M.-C. (1041) 133
Kleiner, D., see Bagchi, S.N. (1041) 9
Klett-Zygmunt, D., see Sacco, D. (1041) 279
Koschke, V., see Gololobov, M.Y. (1041) 71
Kwak, K.B., see Chung, S.S. (1041) 160

Lama, L., see Trincone, A. (1041) 94
La Mar, G.N., see Hauksson, J.B. (1041) 186
Lantz, J.L., see Sutton, L.D. (1041) 79
Leaver, J. and Dalgleish, D.G.
The topography of bovine β-casein at an oil/water interface as determined from the kinetics of trypsin-catalysed hydrolysis (1041) 217
Lee, J.S., see Chung, S.S. (1041) 160
Le Gal, J.-M. and Manfait, M.
Conformational changes of human serum albumin in vivo induced by free fatty acids as studied by Fourier transform infrared spectroscopy (1041) 257
Lin, L.-Y., Liu, L.-F., Tam, M.F., Huang, P.C., Vestling, M. and Fenselau, C.
Primary sequence of duck metallothionein (1041) 31
Liu, L.-F., see Lin, L.-Y. (1041) 31
Longworth, J., see Ghiron, C.A. (1041) 311

Manfait, M., see Le Gal, J.-M. (1041) 257
Maruyama, R., see Akama, K. (1041) 264
Masson, P. and Balny, C.
Conformational plasticity of butyrylcholinesterase as revealed by high pressure experiments (1041) 223
Meloni, M.L., see Ferri, G. (1041) 36
Mitra, S., see Saxena, A. (1041) 83
Miziorko, H.M., Behnke, C.E. and Wang, H.-H.L.
Mapping of reactive sulfhydryls in avian liver 3-hydroxy-3-methylglutaryl coenzyme A synthase (1041) 273
Mochizuki, H., see Akama, K. (1041) 264
Modi, S., see Saxena, A. (1041) 83
Munch, O. and Tritsch, D.
Irreversible thermoinactivation of glucoamylase from *Aspergillus niger* and thermostabilization by chemical modification of carboxyl groups (1041) 111
Murthy, B.S.N. and Pandit, M.W.
Self-association of diisopropylphosphoryl-α-chymotrypsin: the involvement of active site of the enzyme in its self-association behaviour (1041) 285

Naziruddin, B., Shankar, V., Reyes de la Rocha, S. and Sachdev, G.P.
Polymeric structure of human respiratory mucin: studies on two protein components released upon reduction of disulfide bonds (1041) 164
Nicolaus, B., see Trincone, A. (1041) 94
Nicolini, C., see Pepe, I. (1041) 14
Nilsson, I., see Skoglöf, A. (1041) 22
Nishimura, C., Hanzawa, H., Itoh, S.-i., Yasukawa, K., Shimada, I., Kishimoto, T. and Arata, Y.
Proton nuclear magnetic resonance study of human interleukin 6: Chemical modifications and partial spectral assignments for the aromatic residues (1041) 243
Nizzari, M., see Pepe, I. (1041) 14

Ogata, H., Fukuda, T., Yamamoto, K., Yamasaki, H., Fujimoto, H., Fujisaki, S. and Kajigaeshi, S.
An exploration of the binding site of aldolase using *N*-(ω-hydroxyalkyl)glycolamidobisphosphoric esters (1041) 254
O'Kennedy, R., see Sheehan, H. (1041) 141
O'Leary, M.H., see Jiao, J.-a. (1041) 291
Ostoa-Saloma, P., Ramirez, J. and Perez-Montfort, R.
Causes of the decrease in fluorescence due to proteolysis of α-casein (1041) 146

Palmer, J.M., see Gilardi, G. (1041) 129
Pande, U., see Hauksson, J.B. (1041) 186
Pandey, R.K., see Hauksson, J.B. (1041) 186
Pandit, M.W., see Murthy, B.S.N. (1041) 285
Parish, D.W., see Hauksson, J.B. (1041) 186
Passamonti, S. and Sottocase, G.L.
Organization of functional groups of liver bilitranslocase (1041) 195
Pauliukonis, R., see Gololobov, M.Y. (1041) 71
Pepe, I., Catasti, P., Rauch, G., Nizzari, M. and Nicolini, C.
The histone H1 globular region. A possible supersecondary structure from spectroscopic and statistical studies (1041) 14
Perez-Montfort, R., see Ostoa-Saloma, P. (1041) 146
Petrauskas, A., see Gololobov, M.Y. (1041) 71
Podestá, F.E., see Jiao, J.-a. (1041) 291
Potter, R.L., see Buczynski, G. (1041) 296
Poyart, C., see Garel , M.-C. (1041) 133
Pulvin, S., Friboulet, A. and Thomas, D.
Substrate inhibition or activation kinetics of the β-galactosidase from the extreme thermoacidophile archaebacterium *Caldariella acidophila* (1041) 97

Quéinnec, E., Gardès-Albert, M., Goyffon, M., Ferradini, C. and Vuillaume, M.

Antioxidant activity of hemocyanin; a pulse radiolysis study (1041) 153
Quinn, D.M., see Sutton, L.D. (1041) 79

Raia, C.A., see Trincone, A. (1041) 94
Ramirez, J., see Ostoa-Saloma, P. (1041) 146
Rao, M., see Deshpande, V. (1041) 172
Rauch, G., see Pepe, I. (1041) 14
Rella, R., see Trincone, A. (1041) 94
Reyes de la Rocha, S., see Naziruddin, B. (1041) 164
Ryan, C., see Ghiron, C.A. (1041) 311

Sacco, D., Klett-Zygmunt, D., Vigneron, C. and Dellacherie, E.
Covalent fixation of hemoglobin to dextran phosphates decreases its oxygen affinity (1041) 279
Sachdev, G.P., see Naziruddin, B. (1041) 164
Sa Miranda, M.C., see Aerts, J.M.F.G. (1041) 55
Sato, S. and Shiratsuchi, A.
'Chymotrypsin-like' activity of chicken liver multicatalytic proteinase resides in the smallest subunit (1041) 269
Saxena, A., Modi, S., Behere, D.V. and Mitra, S.
Interaction of aromatic donor molecules with manganese(III) reconstituted horseradish peroxidase: proton nuclear magnetic resonance and optical difference spectroscopic studies (1041) 83
Shankar, V., see Naziruddin, B. (1041) 164
Sheehan, H., O'Kennedy, R. and Kilty, C.
Investigation of the properties of bovine heart creatine kinase cross-linked with dimethyl suberimidate (1041) 141
Shigekawa, M., see Kijima, Y. (1041) 1
Shimada, I., see Nishimura, C. (1041) 243
Shiratsuchi, A., see Sato, S. (1041) 269
Singh, J.P., see Hauksson, J.B. (1041) 186
Skoglöf, A., Nilsson, I., Gustafsson, S., Deinum, J. and Göthe, P.-O.
Cis-trans isomerization of an angiotensin I-converting enzyme inhibitor. An enzyme kinetic and nuclear magnetic resonance study (1041) 22
Smith, K.M., see Hauksson, J.B. (1041) 186
Sottocase, G.L., see Passamonti, S. (1041) 195
Sramkoski, R.M., see Amoscato, A.A. (1041) 317
Stern, M.S., see Zafar, R.S. (1041) 117
Stoppini, M., see Ferri, G. (1041) 36
Sutton, L.D., Lantz, J.L., Eibes, T. and Quinn, D.M.
Dimensional mapping of the active site of cholesterol esterase with alkylboronic acid inhibitors (1041) 79
Švedas, V., see Gololobov, M.Y. (1041) 71
Svensmark, O., see Dissing, J. (1041) 232
Szweda, L.I. and Atkinson, D.E.
Response of rat liver glutaminase to magnesium ion (1041) 201

Tada, M., see Kijima, Y. (1041) 1
Tager, J.M., see Aerts, J.M.F.G. (1041) 55
Takada, J., Hioki, Y. and Yano, M.
(*Z*)-5-Methyl-2-[2-(1-naphthyl)ethenyl]-4-piperidinopyridine (AU-1421), calcium ions and ethylenediamine as the K^+-site directed probe for Na^+/K^+-ATPase (1041) 123
Takagi, T., see Kijima, Y. (1041) 1
Tam, M.F., see Lin, L.-Y. (1041) 31
Thomas, D., see Pulvin, S. (1041) 97
Thomson, A.J., see Fridén, H. (1041) 207
Tobita, T., see Akama, K. (1041) 264
Trincone, A., Lama, L., Rella, R., D'Auria, S., Raia, C.A. and Nicolaus, B.
Determination of hydride transfer stereospecificity of NADH-dependent alcohol-aldehyde/ketone oxidoreductase from *Sulfolobus solfataricus* (1041) 94
Tritsch, D., see Munch, O. (1041) 111

Van der Zwaan, J.W., Coremans, J.M.C.C., Bouwens, E.C.M. and Albracht, S.P.J.
Effect of $^{17}O_2$ and ^{13}CO on EPR spectra of nickel in hydrogenase from *Chromatium vinosum* (1041) 101
Van Weely, S., see Aerts, J.M.F.G. (1041) 55
Varón, R., see Arnao, M.B. (1041) 43
Vestling, M., see Lin, L.-Y. (1041) 31
Vigneron, C., see Sacco, D. (1041) 279
Vinogradov, S.N., see Zafar, R.S. (1041) 117
Vuillaume, M., see Quéinnec, E. (1041) 153

Walz, D.A., see Zafar, R.S. (1041) 117
Wang, H.-H.L., see Miziorko, H.M. (1041) 273
Will, H., see Fischer, B.E. (1041) 48

Yamamoto, K., see Ogata, H. (1041) 254
Yamasaki, H., see Ogata, H. (1041) 254
Yano, M., see Takada, J. (1041) 123
Yasukawa, K., see Nishimura, C. (1041) 243

Zafar, R.S., Chow, L.-H., Stern, M.S., Vinogradov, S.N. and Walz, D.A.
The heterogeneity of the polymeric intracellular hemoglobin of *Glycera dibranchiata* and the cDNA-derived amino acid sequence of one component (1041) 117
Zapponi, M.C., see Ferri, G. (1041) 36
Zav'yalov, V.P., Denesyuk, A.I. and Zav'yalova, G.A.
Theoretical conformational analysis of a family of α-helical immunocytokines (1041) 178
Zav'yalova, G.A., see Zav'yalov, V.P. (1041) 178